

NAME: Judith Rosales

POSITION TITLE: Professor, Dean of the School of Graduate Studies and Research, University of Guyana

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date	FIELD OF STUDY
Universidad Central de Venezuela	B.A.	06/1985	Biology
Instituto Venezolano de Investigaciones Cientificas de Venezuela	MSc	07/1988	Ecology
University of Birmingham, UK	PhD	07/2000	Geography

Prof. Rosales main academic training is in plant ecology and botanical surveys, with deep experience in field work related to those subjects. Through previous research collaborations, she has developed excellent skills in research and project management, statistical data analysis, GIS and remote sensing. Her specific research interests and expertise include botanical assessments of wetlands, riparian forests, and gallery forests, as well as ecosystem restoration focused at the river basin and landscape level. After working 25 years in the Orinoco River Basin and Guiana Shield region of Venezuela, she has accumulated significant experience as a riparian plant ecologist specialist.

https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F6Ch8Of7Z8RDc0m1wKWuYXwPM66cPd1_gtARU-Pd-lv6fpJTxD5vbTpDZ1dwcBE2Hbp8rngRZCjsC_gDSkVtQ-ZHuarA&user=bZizdi8AAAAJ

She has successfully served as a principal investigator of several grants and have supervised and supervises students ranging from the undergraduate to PhD level. Also is author of PhD and MSc Environmental Programmes in UNEG where she taught the Ecological Theory courses while at UG she coordinates the PhD of Biodiversity and teaches the foundational course to carry out a PhD Independent Study. Also the undergraduate courses Wetland environments and Biogeography and Biodiversity.

General Contributions to Science

Prof. Rosales research has focused on interdisciplinary plant ecological studies for understanding riparian ecosystems, ecosystems degradation and restoration in different landscapes of the riparian networks of the Guiana Shield. A major theme of her work has been botanical-ecological studies of lateral and longitudinal gradients in different riparian landscapes of the Guiana Shield River Basins.

1. **Rosales, J.**, G. Petts and J. Salo (1999). Riparian flooded forests of the Orinoco and Amazon basins: a comparative review. *Biodiversity and Conservation*, 8(4):551- 586.
<https://doi.org/10.1023/A:1008846531941>
2. **Rosales, J.**, Petts, G. and Knab-Vispo, C. 2001. Ecological gradients in riparian forests of the lower Caura River, Venezuela. *Plant Ecology* 152(1): 101-118. <https://doi.org/10.1023/A:1011411020040>
3. Diaz, W. y **Rosales, J.** 2006. *Floristic* analysis and description of flooded vegetation of Orinoco floodplain Varzeas, Venezuela. *Acta Botanica Venezuelica*, 29:39-68.
4. Knab-Vispo, C., **J. Rosales**, P. Berry, G. Rodríguez, L. Salas, I. Goldstein, W. Diaz and G. Aymard. 2003. Annotated *floristic* checklist of the riparian corridor of the lower and middle Rio Caura with comments on plant-animal interactions. En Conrad Vispo y Claudia Knab-Vispo eds. *Plantas y vertebrados acuáticos en el corredor ribereño del bajo Rio Caura*. Serie de Monografías Scientia Guianae 12:35-139. **26 cit.**

Her work has also involved environmental evaluations of forest fragmentation and ecological succession patterns driven by agriculture, industrial activities, and mining in different landscapes of the Guiana Shield and potential for restoration of the original ecosystems.

1. Acevedo M., J. B. Callicott, M. Monticino, D. Lyons, J. Palomino, **J. Rosales**, L. Delgado, M. Ablan, J. Davila, G. Tonella, H. Ramirez, E. Vilanova. 2008. Models of natural and human dynamics in forest

landscapes: Cross-site and cross-cultural síntesis. *Geoforum* 39 (2008) 846–866.
<https://doi:10.1016/j.geoforum.2006.10.008>

2. Lewis, S., & **Rosales, J.** 2020. Restoration of Forested Lands under Bauxite Mining with Emphasis on Guyana during the First Two Decades of the XXI Century: A Review. *Journal of Geoscience and Environment Protection*, 8, 41-67. <https://doi.org/10.4236/gep.2020.811003>
3. Narayan, A., A. Mora, L. Sánchez, **J. Rosales.** 2020. Temporal and spatial variability of heavy metals in bottom sediments and the aquatic macrophyte, *Paspalum repens* of the Orinoco River floodplain lagoons impacted by industrial activities. *Environmental Science and Pollution Research*. June 2020. <https://doi.org/10.1007/s11356-020-09623-1>
4. **Rosales, J.**, G. Cuenca, N. Ramírez y Z. De Andrade. 1997. *Native colonizing species* and degraded land restoration in La Gran Sabana, Venezuela. *Restoration Ecology* 5 (2): 147-155. <https://doi.org/10.1046/j.1526-100X.1997.09717.x>
1. Laraqe, Alain, Castellanos, Bartolo, Steiger, Johannes, Lòpez, José Luis, Pandi, Alber, Rodriguez, Militza, **Rosales, Judith**, Adèle, Georges, Perez, Jesus, Lagane, Christelle. 2013. A comparison of the suspended and dissolved matter dynamics of two large inter-tropical rivers draining into the Atlantic Ocean: the Congo and the Orinoco. *Hydrological Processes*. 27: 1099-1085. <https://doi.org/10.1016/j.jsames.2012.12.011>