

ISSN 0392-6672

International Journal of Speleology

Official Journal of the Union Internationale de Spéléologie

Volume 45 (3) - September 2016

International Journal of Speleology

Scholarcommons.usf.edu/ijss/

Volume 45 (3), September 2016

Original papers

Robert B. Pape

The importance of ants in cave ecology, with new records and behavioral observations of ants in Arizona caves185-205

Janez Mulec and Andreea Oarga-Mulec

ATP luminescence assay as a bioburden estimator of biomass accumulation in caves207-218

Zhengquan Chen, Yongshun Liu, Haiquan Wei, Jiandong Xu, and Wenfeng Guo

Tube coalescence in the Jingfudong lava tube and implications for lava flow hazard of Tengchong volcanism.....219-229

Nigel J.F. Blamey, Penelope J. Boston, and Laura Rosales-Lagarde

High-resolution signatures of oxygenation and microbiological activity in speleothem fluid inclusions231-241

Shirin Bahadorinia, Sayed Hassen Hejazi, Alireza Nadimi, Derek C. Ford, and Karine Wainer

The morphology and development of Kalahroud Cave, Iran243-257

Rolf Vieten, Amos Winter, Sophie F. Warken, Andrea Schröder-Ritzrau, Thomas E. Miller, and Denis Scholz

Seasonal temperature variations controlling cave ventilation processes in Cueva Larga, Puerto Rico259-273

Aiste Klusaite, Vida Vickackaite, Birute Vaitkeviciene, Rasa Karnickaite, Dominykas Bukelskis, Ieva Kieraite-Aleksandrova, and Nomeda Kuisiene

Characterization of antimicrobial activity of culturable bacteria isolated from Krubera-Voronja Cave.....275-287

Mohammed O. Idrees and Biswajeet Pradhan

Hybrid Taguchi-Objective Function optimization approach for automatic cave bird detection from terrestrial laser scanning intensity image.....289-301

Announcement

Bogdan P. Onac

Iosif Viehmann - a lifetime dedicated to cave and karst303-305