



Full name: Savvas Paragkhamian

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### Short CV:

Mr Savvas Paragkhamian completed his BSc (2015) in Biology at the University of Crete and his MSc (2017) in Complex Systems and Networks at the Aristotle University of Thessaloniki. Since 2020, he has been a member of Dr P. Sarris Lab at IMBB-FORTH where he is conducting his PhD on *Deciphering the relation of microbiome metabolic functions with environmental biogeochemical processes*. His PhD is a collaborative project with Dr. E. Pafilis and [lab42open](#) at IMBBC-HCMR.

His main research interests are using complex network analysis, spatial analysis and text mining to study ecosystems from metabolism to microbes to biogeochemical processes. These analyses have applications in environmental health estimation and in conservation which are the main contribution goals of his research.

### Working experience:

He is currently working on the PREGO project ( <http://prego.hcmr.gr> ) to analyse organism relations in different environments and their metabolic processes and on the CMBR project ( <http://cmbr.hcmr.gr> ) to develop pipelines for metagenomic studies. During the period 2017-2019 he participated in the project of Hellenic Institute of Speleological Research about “Conservation of the Cave Fauna of Greece” and the development of Cave Fauna of Greece (CFG) Database ( <https://database.inspee.gr> ) and its analysis ( <https://cfg-analysis.inspee.gr> ).

### Conferences:

He has participated in 3 international conferences with posters and presentations.

Paragkhamian K., Paragkhamian S. (2018). Diversity and conservation of the cave fauna of Crete (Greece). International Conference on Subterranean Biology, 20-24th August 2018, University

of Aveiro, Portugal. ARPHA Conference Abstracts 1: e29836. <https://doi.org/10.3897/aca.1.e29836>

Paragamian K., Poulinakis M., Paragkamian S. and Nikoloudakis I. (2018). A comprehensive database for the cave fauna of Greece. 24th International Conference on Subterranean Biology, 20-24th August 2018, University of Aveiro, Portugal. ARPHA Conference Abstracts 1: e29843. <https://doi.org/10.3897/aca.1.e29843>

Paragkamian S., Nikolaou, C., Sgardelis S. and Antoniou I. (2017). The centrality–lethality rule in signed protein interaction networks. In Hellenic Bioinformatics 10th Conference. 6–9 September 2017, Forth, Irakleio, Greece. DOI: <https://doi.org/10.13140/RG.2.2.32339.63520>

Batziou, E., Gravanis, M., Karadimos, P., Koulikas, D., Mpatziakas, A., Paragkamian S., Xanthopoulou, G. (2016). Comparison of correlation measures for deletion of brain network connectivity alterations during epileptiform discharges. Proceedings of the 29th Greek Statistical conference (pp. 30– 46). Naousa: Hellenic Statistical Institute

Paragkamian S. and Nikolaou, C. (2015). Menzerath – Altmann ' s law in human gene families at the gene - exon level and their evolutionary history. In 10th Conference of the Hellenic Society for Computational Biology and Bioinformatics. 9-11 October 2015, Athens, Greece. DOI: <http://dx.doi.org/10.13140/RG.2.2.25628.74886>