## **Short biography**

Dr. Narcisse MS Joseph BSc (UPM), PhD (UPM)

She is a medical microbiologist working as a senior lecturer in the Department of Medical Microbiology. She is trained in the field of molecular biology especially real time PCR and genetic engineering. She has strong experience in infectious disease diagnosis and has worked with projects to develop diagnostic tools. She has currently acquired skills related to bioinformatics such as metagenomics and NGS. She has contributed in research related with effects of probiotics in microbiota profiles in children and has worked with Leptospirosis project, studying the serovar determination, molecular epidemiology and diagnosis.

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