



Barcelona, 18th November 2024

To whom it may concern,

Associate Professor Núria Bonada of the University of Barcelona, Spain, hereby certifies that Álvaro Javier Moyano Salcedo has carried out his doctoral research at our Freshwater Ecology, Hydrology and Management (FEHM) research group from 2020 to 2024.

During this period, Álvaro actively participated in several experiments and published various scientific articles. He has gained extensive experience in the identification of macroinvertebrate communities, particularly chironomids, and their use as bioindicators of the ecological status of rivers.

One of his most notable works was conducted in collaboration with Professor Narcís Prat, where they evaluated the interactive effects of salinity and nutrients on aquatic ecosystems. Álvaro has also been actively involved in the research projects developed by our group, demonstrating a strong commitment and valuable contributions to the team.

Sincerely,

Núria Bonada
Head of the FEHM Research Group