	Implementation schedule	Physically /remotely	Workload (hours) On site or remotely	Learning outcomes
Activity 1	Introduction to Molecular identification and Quantification. Importance in Fisheries and Aquaculture. Terminology and Importance	Remotely	10	Knowledge on the necessity of fish genes molecular identification and quantification
Activity 2	Sample Collection and DNA extraction from different fish and fish tissues, as well as processed samples.	Physically	20	Familiarization with DNA extraction procedures
Activity 3	Amplify specific gene regions by PCR (Polymerase Chain Reaction)	Physically/ remotely	20	Skills on PCR analysis
Activity 4	Sequencing of Fish DNA samples. Procedure and data analysis.	Remotely	10	Familiarization with Sanger Sequening method and analysis of the results
Activity 5	Introduction to Real time PCR and High-Resolution Melt Analysis. Principle and interpretation of results	Remotely	10	Familiarization with Real-time PCR and HRM methodologies
Activity 6	Application of High-Resolution Melt Analysis in fish forensics, identification of polymorphisms, in Fisheries and Aquaculture	Physically	10	Response to inquiries. Interpretation of information sources

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Activity 7	Literature search on case studies of gene identification in Fisheries and Aquaculture	Remotely	20	Response to inquiries. Interpretation of information sources
Activity 8	Preparation of Report and presentation of results at the online annual student's conference	Remotely	20	Enhance proficiency in written and oral communication within a particular field, utilizing specialized terminology

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