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דר' אמיר נאורי
חקר ימים ואגמים לישראל בע"מ
המרכז הלאומי לחקלאות ימית
ת.ד. 1212 אילת 88112
טלפונים:

DEAR ZVI,

THANK YOU FOR SENDING ME THE ABSTRACT OF YOUR PROPOSED PROJECT.

PLEASE RECEIVE MY COMMENDATIONS ON UNDERTAKING THIS INVESTIGATION.

WARMING AND ACIDIFICATION OF COASTAL WATER ARE TWO EMERGING PROCESSES THAT WILL UNDOUBTEDLY HAVE SIGNIFICANT IMPACTS ON THE ECOLOGY OF THESE WATERS.

IT IS HIGH TIME TO MAKE A LOGICAL QUANTITATIVE EVALUATION OF THE NEGATIVE AND THE POSITIVE IMPACTS THESE PROCESSES MAY HAVE, BECAUSE PREDICTION AND QUANTIFICATION OF THE OVERALL IMPACT IS NOT EASY.

FOR INSTANCE, THE NEGATIVE IMPACT EXPECTED ON CALCIFICATION OF MOLLUSKS MAY BE INFLUENCED TO A LARGE DEGREE BY CHANGES IN THE COASTAL PRODUCTION OF PHYTOPLANKTON, ON WHICH BIVALVE MOLLUSKS FEED, ON OF MACROALGAE. BOTH GROUPS OF ORGANISMS - BIVALVES AND SEAWEEDS - ARE THE TWO LEADING SECTORS IN WORLD MARICULTURE. WHILE INCREASED TEMPERATURES AND CO₂ CONCENTRATION IN THE WATER PROMOTE ALGAL PRODUCTION, INCREASED THERMAL STRATIFICATION MAY REDUCE UPWELLING OF NUTRIENT-RICH WATER TO THE SURFACE, WHERE PHOTOSYNTHESIS CAN TAKE PLACE.

THUS, THE PROPOSED STUDY CAN USEFUL WITH RESPECT TO THE COASTAL ECOLOGY AND THE SOCIOECONOMIC IN SEAFOOD PRODUCTION.

I WISH YOU SUCCESS IN THE FUNDING AND EXECUTION OF THIS IMPORTANT RESEARCH.

SINCERELY,

AMIR NEORI

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