

6th International
SYMP^{OS}TER
SIUM

Cape Cod Massachusetts USA

DIRECTORY OF PRESENTERS

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POSTER

Title: EVALUATION OF OYSTER GROWTH WITH ECOSYSTEM MODELING
IN A SUBARCTIC LAGOON IN HOKKAIDO, JAPAN

Co-Authors: Shigeru Montani, Michio J. Kishi

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Session D – Genetics Toward Longevity and Productivity

Title: GROWTH of *Crassostrea virginica* AQUACULTURE IN CHESAPEAKE
BAY

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Session A – Nourishing the Body

Title: TASTE COMPONENTS OF OYSTERS AND HOW THEY MIGHT BE
INFLUENCED-A REVIEW

David Bailey

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POSTER: COMPARISON OF SUB-TIDAL OYSTER CULTURING SYSTEMS
(FLOATING VS. BOTTOM) AT AN AQUACULTURE DEVELOPMENT AREA IN
CAPE COD BAY

Co-Authors: Owen Nichols, Scott Lindell

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Session H – Community Engagement and Education

Title: BIVALVES TAKING UP RENT IN MANHATTAN

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Session G – Restoration Case Studies & Issues

Title: THE POTENTIAL USE OF A PHASE MEASURING SIDESCAN SONAR
TO QUANTIFY OYSTER POPULATIONS

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POSTER

Title: "SHUCK IT FOR NANTUCKET": AN OYSTER AND QUAHOG SHELL
RECYCLING PROGRAM

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Session H- Community Engagement and Education

Title: LESSONS OF EXPERIENCE IN A CHANGING WORLD

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POSTER

Title: IDENTIFICATION AND MANAGEMENT OF TUNICATE (ASCIDIACEA)
FOULING IN OYSTER AQUACULTURE

Co-Authors: David W. Grunden; Emma Green-Beach; Danielle Ewart; Richard Karney; Phil Colarusso

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Session C – Some International Bird's-Eye Views

A CASE STUDY: SAOGA/SAORC

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Session H – Community Engagement and Education

Title: THE INTERSECTION OF SCIENCE AND POLICY – HOW
STAKEHOLDER INVOLVEMENT AFFECTS RESTORATION EFFORTS

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Session E: Disease and Safety

Title: EVALUATING THE POTENTIAL OF ATLANTIC OYSTERS *Crassostrea virginicas* TO BIOACCUMULATE CONTAMINANTS OF EMERGING CONCERN IN COASTAL EMBAYMENTS

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Session E. Disease and Safety

Title: FIRST REPORT OF *perkinsus* INFECTING *Crassostrea gigas* AT LATIN AMERICA

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Session G – Restoration Case Studies & Issues

Title: HOW MUCH IS ENOUGH: QUANTIFYING ECOSYSTEM SERVICES TO SET OBJECTIVES FOR OYSTER RESTORATION ON A SYSTEM-WIDE SCALE

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POSTER

Title: ADAPTATION OF SMALL SCALE LIVESTOCK *CRASSOSTREA GASAR* (DAUTZENBEG 1891) LOWER CASAMANCE TO CLIMATE CHANGE Co-

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POSTER

Title: SPATIAL PATTERNS OF SPAT DENSITY IN RELATION TO DISTANCE FROM NATIVE OYSTER REEFS IN GREAT BAY ESTUARY, NEW HAMPSHIRE

Co-Author: Raymond Grizzle

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Session B – Improving the Health of Coastal Waters

Title: ECONOMICS OF ECOSYSTEM SERVICES FROM OYSTER AQUACULTURE

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Session B – Improving the Health of Coastal Waters

Title: IMPROVING THE WATER QUALITY AND BIODIVERSITY BY RESTORING OYSTER REEF HABITATS IN WELLFLEET HARBOR, MA, USA
LUNCH Talk and Oyster Café: “Oysters: a solution for coastal protection and sea level rise” Co-Author: Kristina Hill

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Session A – Nourishing the Body

Title: NOVEL ANTIOXIDANT (E6) EXTRACTED FROM SOFT BODY OF *CRASSOSTERA GIGAS*: ITS ANTIOXIDANT EFFECTS IN THE BRAIN

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Session B – Improving the Health of Coastal Waters

Title: AMERICAN OYSTER RESTORATION PLAN IN POPPONESSET BAY, MASSACHUSETTS: TOWARDS A SUSTAINABLE COMMERCIAL FISHERY THROUGH NOVEL APPROACHES TO MAXIMIZING YIELD AND ECOSYSTEM RECOVERY

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Session E: Climate Change

Title: ADAPTATION METHODS TO CLIMATE CHANGE IN ETHIOPIA USING ADWA WOREDA AS A CASE STUDY

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Session B – Improving the Health of Coastal Waters
Title: RESTORING OYSTER REEFS TO RECOVER ECOSYSTEM SERVICES

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Session B – Improving the Health of Coastal Waters
Title: OYSTER AQUACULTURE FOR FISHERY AND WATER QUALITY
RESTORATION IN THE TOWN OF MASHPEE, MA, USA

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Session G – Restoration Case Studies and Issues
Title: EASTERN OYSTER *Crassostrea virginica* REEF RESTORATION IN NEW
HAMPSHIRE, USA: MOVING TOWARDS DESIGN CRITERIA FOR
RECRUITMENT-LIMITED POPULATIONS

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Session D – Genetics Toward Longevity and Productivity
Title: EFFECTS OF INTRASPECIFIC DIVERSITY ON GROWTH,
SURVIVORSHIP, AND RECRUITMENT OF THE EASTERN OYSTER ACROSS
ENVIRONMENTS

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Session G - Restoration Case Studies & Issues

Title: WHAT DOES LOCAL ADAPTATION LOOK LIKE FOR AN
EVOLUTIONARY BET HEDGER, THE EASTERN OYSTER *Crassostrea*
virginica?

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Session G - Restoration Case Studies & Issues

Title: SOUTH CAROLINA OYSTER RESTORATION AND ENHANCEMENT
PROGRAM: CREATING COASTAL STEWARDS THROUGH DIRTY WORK

Yoshinaru Honda

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Session A – Nourishing the Body

Title: EFFECTS OF SOFT BODY EXTRACTS OF *CRASSOSTREA GIGAS* ON
ANTIOXIDANT ENZYMES AND ON HEPATIC ANTIOXIDANT ACTIONS

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Session F - Propagation and Grow-out

Title: SUBSTRATE PREFERENCE AND GROWTH OR OYSTER SPAT IN THE
KUTUBDIA ISLAND, BANGLADESH

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Session B – Improving the Health of Coastal Waters
Title: MONITORING WATER QUALITY ASSOCIATED WITH OYSTER
ACQUACULTURE IN LITTLE POND, FALMOUTH, MA AND IT'S
EFFECTIVNESS IN REDUCING AMBIENT NUTRIENT CONCENTRATIONS

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Session F - Propagation and Grow-out
Title: IN-SITU STUDY OF THE FLOATING RAFT SYSTEM FOR OYSTER
AQUACULTURE

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Session D – Genetics Toward Longevity and Productivity
Title: EVIDENCE FOR AND AGAINST LOCAL ADAPTATION IN JUVENILE
OYSTER (*CRASSOSTREA VIRGINICA*) TRANSPLANTS ACROSS MULTIPLE
SITES IN THE SOUTHEASTERN U.S.

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Session B – Improving the Health of Coastal Waters
Title: THE ROLE OF OYSTER RESTORATION AND AQUACULTURE IN
NUTRIENT CYCLING WITHIN A RHODE ISLAND ESTUARY

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Session B – Improving the Health of Coastal Waters

Title: STRATEGIES TO RESTORE OYSTER POPULATIONS IN TWO SALT PONDS ON MARTHA'S VINEYARD

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Session B – Improving the Health of Coastal Waters

Title: NITROGEN REMOVAL ASSOCIATED WITH OYSTER REEFS

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Session E - Climate Change

Title: DROUGHT INCREASES CONSUMER PRESSURE ON OYSTER REEFS
CRASSOSTREA VIRGINICA IN FL, USA

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Session C – Some International Bird's-Eye Views

Title: OVERCOMING STAGNATION IN EU AQUACULTURE PRODUCTION;
THE CHALLENGE OF GETTING TENURE FOR OYSTER FARMERS IN THE
U.K

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Session B – Improving the Health of Coastal Waters

Title: THE ECONOMICS OF ECOSYSTEM SERVICES FROM OYSTER FARMING

Session C – Some International Bird's-Eye Views

Title: SHELLFISH FARMING FOR FOOD SECURITY AND ECONOMIC DEVELOPMENT: TANZANIA CASE STUDY

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Session G - Restoration Case Studies & Issues

Title: CLAMOUR ON THE REEF: CHARACTERIZING HABITAT- ASSOCIATED UNDERWATER SOUNDSCAPES FROM AN ECOLOGICAL PERSPECTIVE

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Session C – Some International Bird's-Eye Views

Title: ADVANCES & CHALLENGES FOR OYSTER CULTIVATION IN SWEDEN

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Session E – Disease and Safety (Presenting for Paul Rawson)

Title: DISEASE-RESISTANCE AND IMPROVED PERFORMANCE FOR GENETICALLY IMPROVED AND CROSS-BRED EASTERN OYSTERS *CRASSOSTREA VIRGINICA*. RESULTS FROM A DECADE OFF FIELD TRIALS IN NEW ENGLAND
POSTER

Title: MULTI-CROPPING SEAWEED, *GRACILARIA TIKVAHIAE*, WITH OYSTERS FOR NUTRIENT BIOEXTRACTION AND SEA VEGETABLES IN WAQUOIT BAY, MASSACHUSETTS Co-Authors: J.K. Kim, E. Green-Beach, D. Bailey, M. Beals and C. Yarish

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Session C – Some International Bird's-Eye Views

Title: OYSTERS IN CHESAPEAKE BAY: A THIRTY-YEAR RETROSPECTIVE
ON THE PATH TO RECOVERY

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Session G - Restoration Case Studies & Issues

Title: INCORPORATING BMPS IN SHELLFISH AQUACULTURE AND
RESTORATION PROGRAMS: DEMONSTRATING SOCIAL AND
ENVIRONMENTAL RESPONSIBILITY

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Session E – Climate Change

A COMPARISON OF THE EFFECTS OF HURRICANE AGNES IN 1972 IN
THREE MAJOR OYSTERING LOCATIONS

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Session H- Community Engagement and Education

Title: BILLION OYSTER PROJECT – EDUCATION THROUGH ECOSYSTEM
RESTORATION

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Session A – Nourishing the Body

Title: HEPATOPROTECTIVE EFFECTS OF A NOVEL ANTIOXIDANT E6
DERIVED FROM PACIFIC OYSTER (CRASSOSTREA GIGAS))

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Session C – Some International Bird's-Eye Views

Title: PERSPECTIVES ON OYSTER AQUACULTURE IN JAPAN

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Session B – Improving the Health of Coastal Waters

Title: OYSTER *Crassostrea virginica* SURVEILLANCE IN SOUTHEASTERN MASS, USA

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Session C – Some International Bird's-Eye Views

Title: FUTURE FOR OYSTER HATCHERIES IN CENTRAL-VIETNAM:
EXPERIENCE FROM THE BELGIAN-VIETNAMESE VLIR-PROJECT

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Session E - Disease and Safety

Title: INVESTIGATING TOTAL BACTERIA, TOTAL VIBRIONACEAE, AND
Vibrio parahaemolyticus IN EASTERN OYSTERS Crassostrea virginica FROM
DELAWARE INLAND BAYS

Session F - Propagation and Grow-out

Title: EASTERN OYSTER LARVAE Crassostrea virginica REMOTE SET
PRACTICE IN DELAWARE

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Session F - Propagation and Grow-out

Title: SANITARY QUALITY OF OYSTERS (*Crassostrea iredalei*) PRODUCED
IN SELECTED AREAS IN PANAY, WESTERN VISAYAS, PHILIPPINES

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Session H - Community Engagement and Education

Title: THE ROLE OF STAKEHOLDERS IN PUGET SOUND NATIVE OYSTER
RESTORATION

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Session F - Propagation and Grow-out Title

Title: PREVENTATIVE TREATMENTS FOR BLISTER WORM (A PEST
SPECIES) IN THE EASTERN OYSTER

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Session D – Genetics Toward Longevity and Productivity
Title: ASSESSING THE CONTRIBUTION OF AQUACULTURE AND RESTORATION TO WILD OYSTER POPULATIONS IN A RHODE ISLAND COASTAL POND

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Session E – Disease and Safety
Title: DISEASE-RESISTANCE AND IMPROVED PERFORMANCE FOR GENETICALLY IMPROVED AND CROSS-BRED EASTERN OYSTERS *CRASSOSTREA VIRGINICA*. RESULTS FROM A DECADE OFF FIELD TRIALS IN NEW ENGLAND

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Session B – Improving the Health of Coastal Waters
Title: CAPE COD OYSTERS IN TERMS OF NITROGEN AND NUTRITION

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FRIDAY LUNCH TIME TALK
Title: THE TRUE RECOVERY OF SANRIKU OYSTERS – DREAM OYSTERS

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Session E - Disease and Safety

NOVOVIRUS DETECTION IN OYSTERS AND HUMAN FECES

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Session E - Disease and Safety

Title: Massachusetts Oyster Aquaculture Management and Statistics

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Session C – Some International Bird’s-Eye Views

Title: - DEVELOPMENT OF ALTERNATIVE OYSTER FARMING ZONES IN LOUISIANA

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Session D – Genetics Toward Longevity and Productivity

Title: PROFILING DIFFERENTIAL GENE EXPRESSION BETWEEN GRANULOCYTES AND HYALINOCYTES OF THE PACIFIC OYSTER *Crassostrea gigas*

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Session A – Nourishing the Body Title: – EFFECTS OF FEEDING OYSTER PEPTIDES ON LIPID METABOLISM IN SD RATS

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POSTER
DRASTIC CHANGE IN POPULATION GENETIC STRUCTURE OF
ENDANGERED SUMINOE OYSTER *CRASSOSTREA ARIAKENSIS* IN
ARIAKE SEA, JAPAN Co-Author: Futoshi Aranishi

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Session H - Community Engagement and Education
Title: OYSTER FRAMEWORKS: SCULPTURAL FORMS AS
INFRASTRUCTURE OF COASTAL RESILIENCE AND EDUCATION

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Session F - Propagation and Grow-out
Title: QUANTIFYING EFFECTS OF CULTURE METHODS ON QUALITY AND
CONSISTENCY OF EASTERN OYSTER, *Crassostrea virginica*
Session H - Community Engagement and Education
Title: OYSTER SOUTH: OYSTER FARMING IN THE SOUTHERN US

Mitsugu Watanabe

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Session A – Nourishing the Body

Title: IN VIVO INVESTIGATION OF THE BLOOD-BRAIN BARRIER
PERMEABILITY OF A NOVEL ANTIOXIDANT (E6) EXTRACTED FROM SOFT
CRASSOSTREA GIGAS

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Session E - Climate Change

Title: DIVERSE EVIDENCE FOR A PRIMARY ROLE OF HEMOCYTES IN
OYSTER SHELL CONSTRUCTION

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Session E - Climate Change

Title: OCEAN ACIDIFICATION REDUCES THE ABILITY OF FAMILY LINES OF
THE PACIFIC OYSTER *Crassostrea gigas* TO RESPOND TO PREDATORY
WHELKS

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Session B – Improving the Health of Coastal Waters

Title: OYSTER AQUACULTURE FOR FISHERY AND WATER QUALITY
RESTORATION IN THE TOWN OF MASHPEE, MA, USA

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POSTER

COMPARISON STUDY OF JAPANESE OYSTER COMPONENTS FROM
FOUR DIFFERENT FARMS IN JAPAN

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Session D – Genetics Toward Longevity and Productivity

Title: MENDELIAN INHERITANCE OF GOLDEN SHELL COLOR IN THE
PACIFIC OYSTER *CRASSOSTREA GIGAS*

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Session D

Title: INTERSPECIFIC BACKCROSSES BETWEEN THE HYBRIDS OF
CRASSOSTREA HONGKONGENSIS ♀ × *C. gigas* ♂ AND THE TWO
PARENTAL SPECIES

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Session B – Improving the Health of Coastal Waters

Title: OYSTERS, WATER QUALITY IMPROVEMENT AND BIODIVERSITY
ENHANCEMENT: EXPERIENCE FROM CAPE COD, MASSACHUSETTS, USA